

ABSTRACT

[0084] The present invention relates to a gene that encodes a hyperactive reverse transcriptase having DNA polymerase activity and substantially reduced RNase H activity, vectors containing the gene and host cells transformed with the invention. The present invention also includes a 5 method of producing the hyperactive reverse transcriptase, producing cDNA from mRNA using the reverse transcriptase of the invention, kits and assay templates made using the hyperactive reverse transcriptase.